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NICE31805 Rev1.0

clarion N.I.C.E. User's Guide

clarion® *N.I.C.E.*

User's Guide

Navigation In-Car Entertainment

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Dear Customer

Congratulations on your purchase of the world's finest brand in the electronic industry. At Clarion we are committed to quality and are confident that you will be pleased with your purchase.

Clarion's Navigation In-Car Entertainment system (N.I.C.E.) system provides four products in one:

- Exceptional navigation supported by a built-in global positioning system (GPS)
- SIRIUS Satellite Radio with 120 channels of information and entertainment (with optional NAVSIR installed)
- Connection for a rearview camera, DVD player or video game system
- Music player and photo viewer with 10GB of storage for music, such as MP3, and JPEG photo files

The unit's compact design, 7-inch digital Thin Film Transistor (TFT) Liquid Crystal Display (LCD) provides high-resolution images that won't strain the eye. This translates into easy-to-use mapping and control screens. The display doubles as a touchscreen control pad.

N.I.C.E. comes with both car cigarette lighter and regular power adapters so you can use the unit in your car or at home.

Clarion welcomes you to an experience like no other. To learn more about Clarion's complete line of audio and video products, please visit us at our Website:

www.clarion.com

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This Guide

If you're an experienced electronics owner, read "Quick Start" on page 9 to get started quickly.

If you're new to electronic systems, read this guide carefully.

- For installation procedures, check components at the beginning of "Quick Start" on page 9, then see "Installation" on page 26.
- To learn how to navigate using the GPS, see "Navigation" on page 33.

Warning

Do not let the N.I.C.E. distract you as you drive. You are responsible for the vehicle. Always drive safely and follow traffic rules. It is not recommended to leave your unit in the vehicle because of the exposure to heat.

FCC Notice

This unit complies with the interference limits relative to a Class B digital device, applicable under Part 15 of the FCC Rules regarding installation in a residential environment. If the unit is not installed in accordance with these instructions, it could cause harmful interference to radio or television reception. If this condition persists after corrective action, consult your dealer or experienced installation facility.

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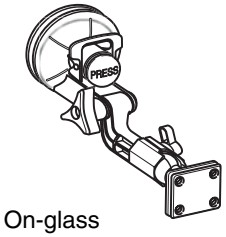
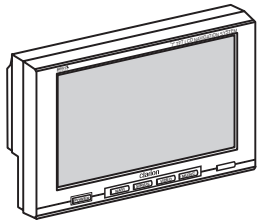
1. Quick Start

Check contents

If anything is missing, contact your dealer immediately.



On-glass mounting bracket



Main unit

Remote control

Carrying bag

Also included: this guide and a packet of four screws

Home power cord and adapter

Audio/video cable

Vehicle power cord

Camera input cable

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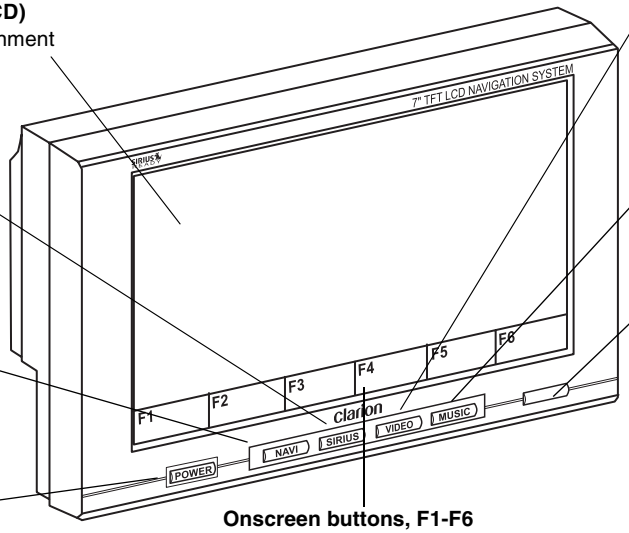
Front view

Liquid Crystal Display (LCD)
Displays maps and entertainment

SIRIUS
Accesses Satellite radio

NAVI
Accesses navigation using the built-in GPS

POWER
Turns the power on and off



Onscreen buttons, F1-F6
The functions of these six buttons change depending on the mode the unit is in

VIDEO
Used when backing up vehicles equipped with a rearview camera and for video playback

MUSIC
Plays music files

Infrared sensor
Communicates with your remote control

20GB hard disk drive
Located inside the unit: 10GB used to store maps and 10GB for photos and music

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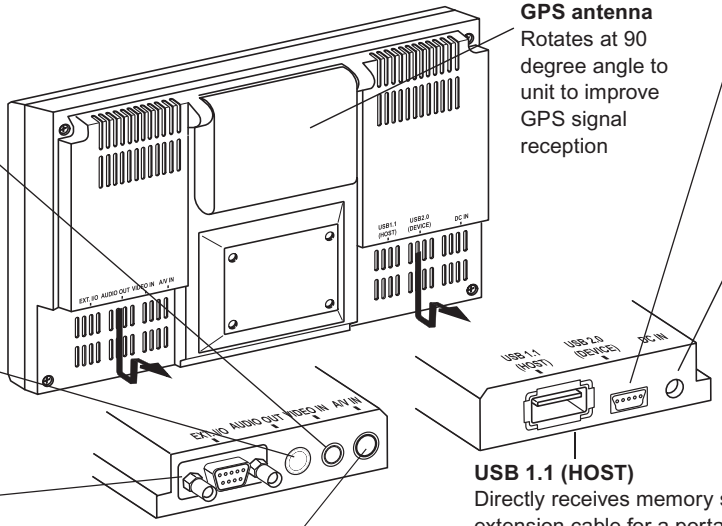
Back view



VIDEO IN
Connects to rearview camera

AUDIO OUT
Connects to the stereo AUX input on a vehicle stereo system. To connect without cable, see “Audio through your car stereo” on page 30

EXT. I/O
Connects to Clarion’s NAVSIR SIRIUS Satellite Radio interface

A/V IN (RCA input)
Connects to external video source, such as DVD player, camera or video game system

GPS antenna
Rotates at 90 degree angle to unit to improve GPS signal reception

USB 2.0 (DEVICE)
Connects to computer for downloading updated maps, photos and music files; can transfer to and from unit

DC IN
Connects to power cable

USB 1.1 (HOST)
Directly receives memory stick or connects to extension cable for a portable memory storage device; port supports playback/viewing only; you cannot transfer files from or to device

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Getting started

1. Press the POWER button.

   The Clarion logo appears; if the speaker is on you hear two beeps, and the navigation caution screen appears after a brief pause.

2. Read the caution and press the Press-to-accept button.

   Note

   Press onscreen buttons firmly and slowly for best performance.

   You're ready to use the N.I.C.E. as a navigation tool and entertainment center.

Navigation or entertainment

The mode button looks like a toolbox.

Note

The mode button is button F6 in navigation mode. In the other modes, it appears in the upper left corner of the screen.

Pressing this button displays a grid of features from which you can select NAVIGATION, SIRIUS (radio), MUSIC, PHOTO, VIDEO and SETUP.

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Modes of operation

NAVIGATION
Corresponds to the NAVI button below the LCD and launches navigation mode. For details, see “Navigation” on page 33.

PHOTO
Launches photo viewing mode. For details, see “Video mode” on page 98.

SIRIUS
Corresponds to button of the same name and launches satellite radio mode. For details, see “SIRIUS Satellite Radio” on page 74.

MUSIC
Corresponds to button of the same name and launches music mode. For details, see “Playing music” on page 95.

VIDEO
Corresponds to the VIDEO button and launches video mode. For details, see “Video mode” on page 98.

SETUP
Provides access to three configuration options. For a complete summary of details, see “Setup reference” on page 129.

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Start navigation

Satellite
Green when satellite found; light green when signal is weak; gray when satellite not found

Display area
Used to view maps and navigation menus.

Navigation button (F3)
Start navigation here

Exit button (F1)
Cancels current

NOTE: The big step numbers in this example shows how to begin defining the destination by defining the state first. You can also define a destination by point of interest or by pointing at the map. See “Navigation” on page 33.

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Define your destination

Page up (F2) and Page down (F4)
Move backward and forward through up to four items at a time in a list

Keyboard button (F5)
Displays onscreen keyboard for finding names easily

Back button (F6)
Returns to the previous menu

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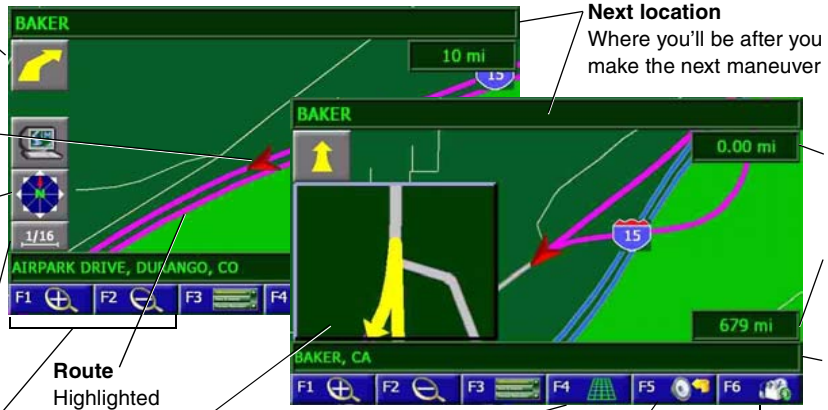
Main navigation screen



Next maneuver
Shows next turn you will make

Pointer
Indicates current location on map

Compass
Indicates current direction of movement or location of north

Scale
Indicates current map scale

ZOOM (F1 and F2)
Enlarges and reduces map

Route
Highlighted in magenta

Next intersection
Pops up as you approach next intersection

Next location
Where you'll be after you make the next maneuver

Distance to next maneuver

Remaining distance to destination

Status bar
Displays current location

Map view (F4)
Alternates among 2D, 3D and split-screen map views

Speaker button (F5)
Repeats verbal guidance for next maneuver

Mode button (F6)
Displays grid of features; see "Modes of operation" on page 13

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Sirius Satellite Radio controls

Current mode

MENU
Displays options menu

BAND
Switches among bands A, B and C, each with 10 preset channels; hold to tune by preset

MEMO (memory)
Stores up to 20 artist, song title combinations; hold to recall stored information

Mode button
Opens the menu grid

DISP (display)
Hold to display list of channels

Channel indicator
Identifies the channel

Signal strength meter
Shows strength of SIRIUS satellite signal

Band or preset indicator
Way to group favorite channels

Artist, composer, title
Display in two lines

Channel buttons
Moves to the previous and next channels

Channel name

Category name
Content group

Keypad buttons
Jump directly to a channel or preset; hold to store preset

Category previous and next
Moves to previous and next categories

Volume up and down
Adjusts internal speaker volume

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Music player controls

Portable memory storage button
Displays contents of a portable memory storage device connected to the USB 1.1 port

Folder button
Displays music folders

Music mode button
Alternates among playback options: normal, repeat, repeat folder and random

Mode button
Opens the menu grid

MUSIC
Jingle Bells
00:00:03 (00:02:37)
Folder : A Swingwing Big Band Christmas
Artist : Gene Krupa Trio
Album : Swinging Big Band Christmas
Bit Rate : 96Kbps
Sample Rate : 22.1Khz
STEREO
Volume : 5%
1. 1K30S.MP3
2. Red Nichols - Parade of the Wooden
3. Jack Teagarden - The Christmas Son
4. Gene Krupa Trio - Jingle Bells.mp3
5. Miller, Glenn A.A.F. Orchestra - Chris
6. Kenny Gardner - Lombardo Trio - He
7. Claude Thornhill _His Orchestra - Snc
8. Don Rodney - Guy Lombardo _His Ro

Pause | Stop | Back to start | Forward to end | Mute | Volume up and down | Scroll up and down

NOTE: If playing music on a portable memory storage device, you can only play; you cannot transfer files to or from the device.

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Photo viewer controls

Portable memory storage button
Displays contents of a portable memory storage device connected to the USB 1.1 port

NOTE: You can only view photos on a portable memory storage device; you cannot transfer them to or from it

Full-screen button
Enlarges photo to fill screen; touch the screen to return to photo default size

Previous and next buttons
Display the previous and next photo

Slide show button
Starts slide show

NOTE: You can only view photes that are 1MB or smaller in size

Mode button
Opens the menu grid

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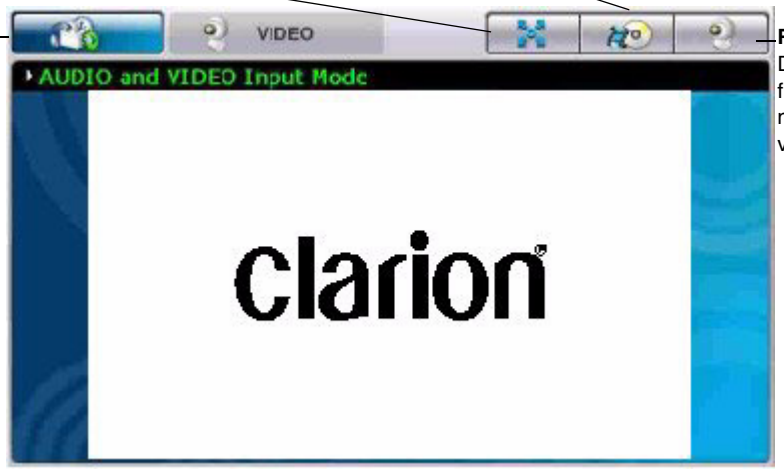
Video player controls

Full-screen button
Enlarges image to fill the screen; touch the screen to return to photo default size

Audio/Video input
Displays input from DVD or video game system

NOTE: Unit disables video playback when vehicle is in motion

Mode button
Opens menu grid



Rearview camera
Displays video input from camera mounted at back of vehicle

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Using the remote

The wireless remote control supplied with N.I.C.E. operates most features from a remote location. The buttons on the remote control function the same way their equivalents do on the unit.

For optimal operation, always aim the remote control toward the infrared sensor on the N.I.C.E. front panel.

Front of N.I.C.E.

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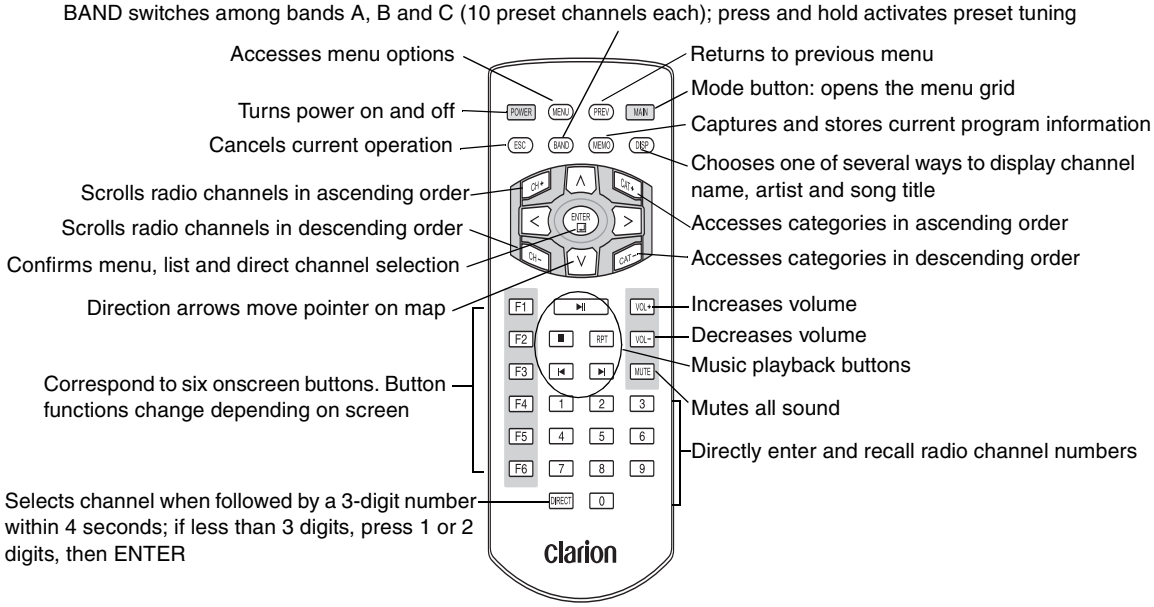
Remote control features


BAND switches among bands A, B and C (10 preset channels each); press and hold activates preset tuning
Accesses menu options
Returns to previous menu
Mode button: opens the menu grid
Turns power on and off
Captures and stores current program information
Cancels current operation
Chooses one of several ways to display channel name, artist and song title
Scrolls radio channels in ascending order
Accesses categories in ascending order
Scrolls radio channels in descending order
Accesses categories in descending order
Confirms menu, list and direct channel selection
Direction arrows move pointer on map
Increases volume
Decreases volume
Music playback buttons
Correspond to six onscreen buttons. Button functions change depending on screen
Mutes all sound
Directly enter and recall radio channel numbers
Selects channel when followed by a 3-digit number within 4 seconds; if less than 3 digits, press 1 or 2 digits, then ENTER
POWER
MENU
PREV
MAIN
ESC
BAND
MEMO
DISP
ENTER
F1
F2
F3
F4
F5
F6
RPT
MUTE
DIRECT
Clarion

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Turning the unit off

Press the POWER button. The unit stores the current mode and turns off.

When you turn the power on again, the unit returns to the mode you were in when you powered off.

Frequently-asked questions

The questions in this section are often asked by people who are learning to use N.I.C.E. For troubleshooting help, see “Troubleshooting” on page 113.

Navigation

Can I review the planned route without actually driving it?

- Yes. In Setup, Navigation Preferences, press Simulation Off to change it to Simulation On. When you define your destination, the unit simulates the route independent of the GPS.

I don’t like to drive on freeways (interstates). Can N.I.C.E. calculate a route without going on the freeway?

- Yes. In Setup, Navigation Preferences, press Avoid Freeway No to change it to Avoid Freeway Yes.

I don’t like toll roads. Can N.I.C.E. calculate a route that avoids toll roads?

- Yes. In Setup, Navigation Preferences, press Toll Yes to change it to Toll No.

Can N.I.C.E. calculate a route that may be a little out of the way, but that may save time?

- N.I.C.E. assumes that going by interstate is faster than going by normal roads. In Setup, Navigation Preferences, change Shortest Distance to Shortest Time and the unit will route you via interstate if one is nearby.

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Can I get rid of all the information icons and boxes so I can see more of the map?

- Yes. In Setup, Display Options, press GPS Icon Display, Status Bar Display, etc. to turn them off.

Can I hear the voice announcing the next maneuver again?

- Yes. While traveling in the direction of the next maneuver, press the speaker button (F5).

Can I find out what road I am currently on?

- The unit displays your current location in a status box at the bottom of the screen.

Can I tell how far it is to the next maneuver?

- The voice guidance announces the distance to the next maneuver well before you get there, if voice guidance is on. A box in the upper right of the screen constantly updates this distance.

Does the unit show me how many miles are left to the destination?

- Yes. The unit displays miles (or kilometers) remaining in the box at the lower right of the screen.

What is the yellow arrow in the upper left of the screen?

- This arrow indicates the next maneuver.

Why does the map always display north at the top? I want the top of the map to show the direction I'm traveling.

- In Setup, Navigation Preferences, press North Up to change it to Heading Up. This changes the map orientation so that the direction you are heading is at the top of the map.

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SIRIUS radio

Can I listen to SIRIUS satellite radio while I navigate?

- Yes. While in navigation mode, press SIRIUS and the unit overlays the top portion of the screen with the SIRIUS controls. Voice guidance always overrides the radio.

Entertainment options

Can I play music files while I navigate?

- Yes. While in navigation mode, press MUSIC and, as with the radio, the unit overlays the top portion of the screen with the MUSIC controls. Voice guidance overrides the music.

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2. Installation

This chapter explains how to install the unit in a vehicle and use it at home.

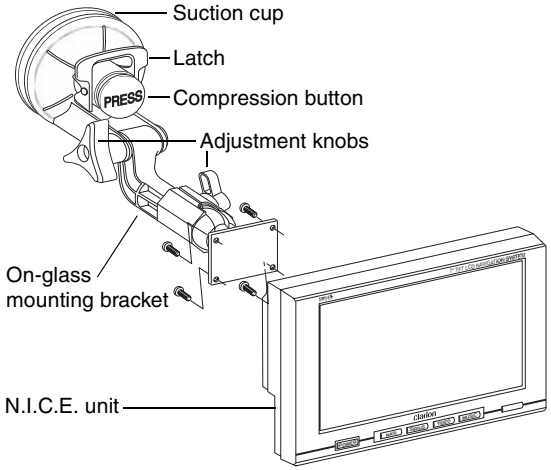
Vehicle Precautions

Follow these precautions to avoid serious auto accident or personal injury:

- Do not mount the N.I.C.E. where it will block your view through the windshield or your view of dashboard indicators and displays.
- Do not mount the N.I.C.E. where it might obstruct the operation of a safety device, such as air bags, etc.

Install the unit in a vehicle

1. Using the screws supplied, mount the N.I.C.E. onto the on-glass mounting bracket.



On-glass mounting bracket and unit

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2. Place the on-glass mounting bracket in position with the suction cup touching the glass.

   Make sure it does not obstruct the driver's view of the road from any angle, but still has a direct path through the windshield to the GPS satellite. If you are not sure consult a professional installer for help.

3. Press and hold the compression button.

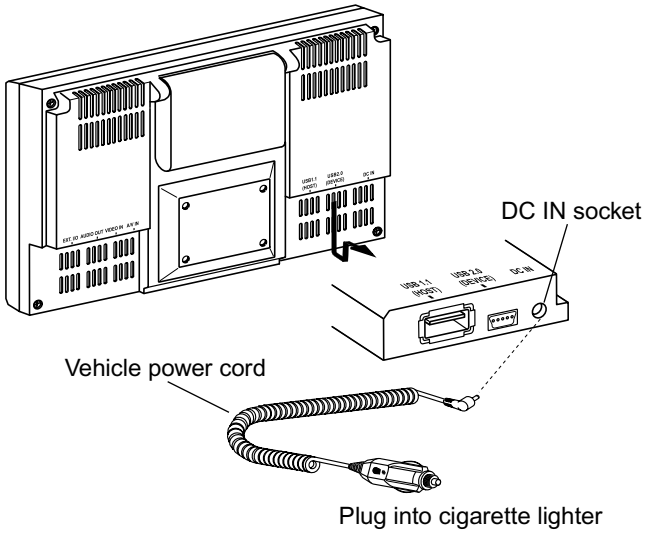
4. While holding the compression button, lift the latch towards the compression button until it locks in place.

5. Adjust the position of the unit using the adjustment knobs.

6. You may extend the unit's GPS antenna by lifting it to a 90 degree angle with the unit or leave it as is and extend it later if the GPS signal is weak.

Connect power

1. Plug the vehicle power cord into the DC IN socket on the unit.



Power connection

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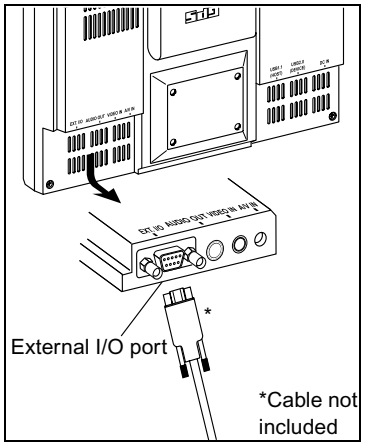
2. Plug the other end of the cord into the cigarette lighter socket of your vehicle.
3. Turn the power on and your ready to use N.I.C.E. for navigation.

Connecting the radio receiver

If you also have the NAVSIR satellite radio receiver installed, follow these steps to connect it to the N.I.C.E.

1. Connect one end of the NAVSIR cable to the external I/O port on the back of the N.I.C.E.



NAVSIR connection

2. Connect the other end to the NAVSIR.

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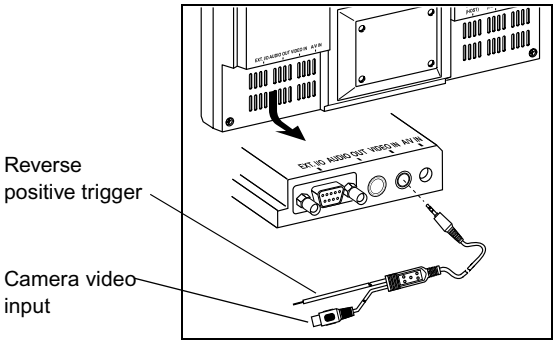
See the NAVSIR documentation for where to connect this cable.

Note

NAVSIR receives power through the N.I.C.E.

Connect to a rearview camera

If your vehicle is equipped with a rearview camera for backing up, connect the camera to the N.I.C.E.:



Camera connection

For connecting to the reverse gear, consult a professional installer.

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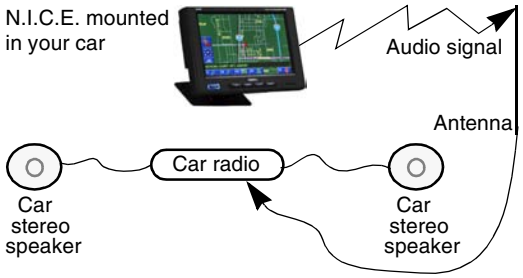
Audio through your car stereo

As the N.I.C.E. is a portable device and designed to travel with you, it comes with its own internal speaker.



How the FM transmitter works

While riding in a vehicle, the unit's built-in FM transmitter can send audio output from the N.I.C.E. through your vehicle's radio antenna to its stereo system.

Follow these steps to activate the FM transmitter:

1. Press the onscreen mode button (F6 in navigation mode).
2. Press SETUP on the menu grid.

Menu grid

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1. The Unit displays the SETUP menu.

FM frequency and internal speaker button

N.I.C.E. SETUP menu

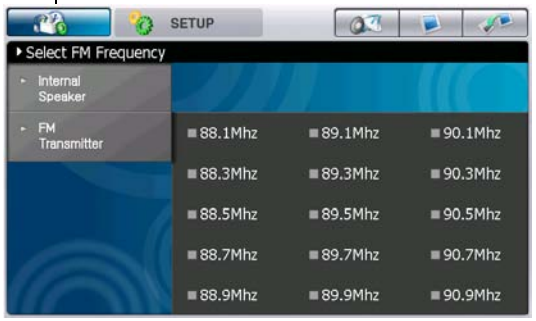
2. Press the FM Frequency and Internal Speaker button.

   The unit displays the FM Frequencies and Internal Speaker menu.

3. Press FM Transmitter on the touch-sensitive screen.

   The unit displays a list of frequencies.

Mode button



FM Frequencies List

Although the unit will work on a frequency that is transmitting a radio station, some interference may occur. For best performance,

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select any frequency that is not in use by a radio station.

4. Press one of the frequencies.

   The unit automatically begins transmitting and returns to the SETUP menu.

Note

Turn this option off if you are using low level audio outputs in your particular application.

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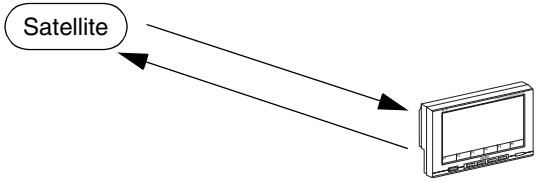
3. Navigation

This chapter explains how to navigate using the N.I.C.E. If this is the first time you've used the unit, read this chapter from beginning to end. Later, use it to refer to specific procedures.

How global positioning works

N.I.C.E. uses a global positioning system (GPS) to provide easy navigation anywhere within the United States and Canada, providing no obvious satellite signal obstructions are in the way. Obstructions include nearby buildings, high terrain, parking garages and tunnels.



N.I.C.E. communicates with an overhead satellite to calibrate its position

Starting navigation

Caution

If your car has been sitting in the sun, the N.I.C.E. may be hot to the touch and sunlight may make it difficult to read the screen.

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The unit starts up in the mode that was running when you turned the power off. If this is the first time you've used the unit, it starts in navigation mode. Otherwise:

1. Press the NAVI button below the LCD.

Navigation button

OR

Press the onscreen mode button, then press the onscreen NAVIGATION button.

Mode and navigation onscreen buttons

A caution screen appears.

Navigation caution screen

2. Read the caution, then press the Press-to-accept button.

Note

Press onscreen buttons firmly and slowly for best performance.

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If the unit is within site of a satellite, the GPS automatically locates you on the map.

GPS signal strength indicator

Current position

Main navigation screen

The red pointer identifies your position.

Define your destination

Warning

Always define your destination while parked. Do not attempt to define a destination while driving.

1. Press the navigation button (F3).

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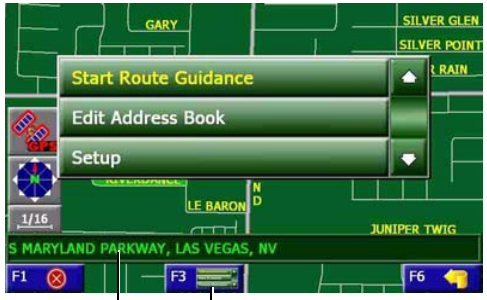
The Navigation menu appears.



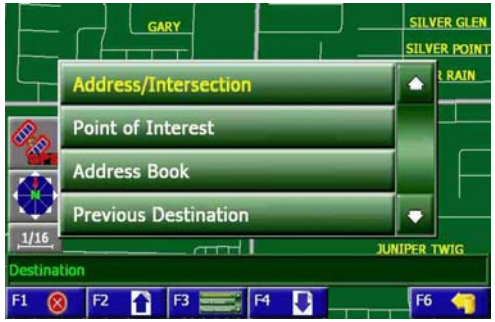
Current location Navigation button (F3)

Navigation menu

The status bar, located just above the onscreen buttons at the bottom of the screen displays your current location and system status information, such as the active menu name.

2. Press Start Route Guidance

The unit displays several ways to select a destination.



Destination options

There are two basic ways to define a destination:

- Use lists to define the address.
- Point to it on the map (scroll down to see this option).

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3. Press one of the method options.

   If you scrolled down and chose Map, you can define your destination by touching the map, See “Pointing to your destination” on page 45.

   If you chose any of the other options, the unit prompts you to choose items from one or more lists.

   • Address or intersection

   For more on this method, continue reading the next topic.

   • Point of interest

   For more on this method, see “Navigating in an unfamiliar city” on page 38.

   • Address book

   This option lists addresses previously stored in the address book by name.

   Use this method for a destination in your area that you visit occasionally. For how to store an address, see “Updating the address book” on page 55.

   • Previous destination

   This option lists your last 15 destinations.

   Use this method when traveling to quickly recall temporarily important addresses, such as your hotel or rental car agency.

Navigating to a specific address

Address/Intersection provides four ways to enter the address: state or province name, postal code, city name or street name. You can start with any of the four.

Use this method to travel to a new location for which you have a specific address.

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The unit displays the names of four lists

Address/Intersection options

State/Province Name, City Name and Street Name lead to lists. See “Scrolling through lists” on page 41.

By postal Code goes directly to the onscreen keyboard. See “Using the onscreen keyboard” on page 42.

Navigating in an unfamiliar city

Point of interest lets you define a destination when you don’t know its address.

This method is especially useful when traveling in an unfamiliar city. It can save time and the expense of driving around when you need to find, for example, a gasoline station or a grocery store.

The N.I.C.E. database maintains a list of two million points of interest organized by categories, such as city center, airport, restaurant, and tourist information.

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After selecting Point of interest, the unit offers five options:

Four of the point of interest options

- State/Province Name limits all other lists (postal code, phone, and first few letters). See “Scrolling through lists” on page 41.
- By Category displays a list of categories.
- By Postal Code and Phone go directly to the onscreen keyboard. See “Using the onscreen keyboard” on page 42.

1. Scroll down to view the fifth point of interest option.

Fifth point of interest option visible

By First Few Letters is especially useful if you know only the state or province in which a famous place is located, but you don’t know how it might be categorized nor do you know its postal code or phone number.

2. Select an option.

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For State/Province Name, By Postal Code, By Phone and By First Few Letters, see “Using the onscreen keyboard” on page 42.

The following screen displays when you choose By Category.

Categories list

3. Select the type of place you’re looking for, such as a bank or ATM.

The unit prompts you to choose how to display the locations.

Sort point of interest locations options

4. If you know the name you’re looking for, choose Sort By Name.

   If you’re in an unfamiliar city press Sort By Distance for the closest point of interest.

5. Select the destination from the resulting list.

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Continue with “Traveling to your destination” on page 47.

Scrolling through lists

There are two ways to scroll through a long list, such as the list of city names.

List of city names with scrolling arrows

- Scroll through the menu one item at a time, using the menu’s up and down scroll buttons.
- Scroll through the menu options up to four items at a time, using the onscreen multi-item scroll buttons (F2 and F4) at the bottom of the screen.

If the list is long, press the keyboard button (F5) and use the onscreen keyboard.

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Using the onscreen keyboard

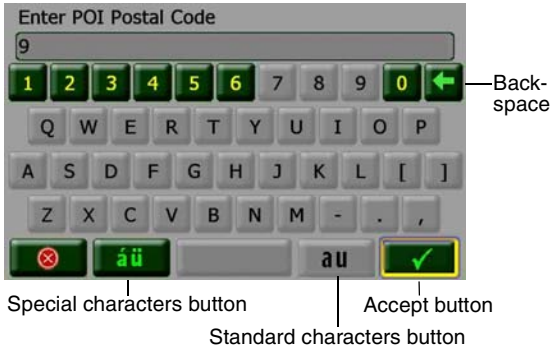
State/Province Name, City Name, Street Name, By Postal Code, By Phone, and By First Few Letters display a list.

Sample list showing states and provinces

Some options display this keyboard automatically. Lists give you the choice of scrolling or using the keyboard to save time.

1. If you're viewing a long list, such as all the streets in California, press the keyboard button (F5).

   The unit displays the onscreen keyboard.


Enter POI Postal Code
9
1 2 3 4 5 6 7 8 9 0
Back-space
Q W E R T Y U I O P
A S D F G H J K L [ ]
Z X C V B N M - . ,
áü
au
Special characters button
Standard characters button
Accept button

Onscreen keyboard ready to type point of interest postal code

2. Press the first few letters of the name or postal code.

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Only keys for valid letters appear in green. The rest are grayed out. The letters you type appear in the box at the top of the keyboard.

If you've defined your state and are entering a postal code the unit fills in the beginning digit based on the system database. This helps avoid typing errors.

In the example, the first digit, "9" of the postal code appeared automatically and only the keys needed to enter the rest of the postal code are available.

3. To type letters with diacritical marks, such as "é" and "ñ," press the special characters button.
4. Press the standard characters button to return to standard characters.

   Press the backspace key if you make a mistake.
5. After typing one or more characters, press the accept button (check mark).

   The system generates a short list of options based on the characters you typed so far.

   The following is an example of a short list of cities.

Short list of cities

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The next example is a short list of streets.

Short list of streets

Above this list the unit displays the address range for all the streets in the list. A quick check with the address you're seeking should confirm that you are in the right area.

6. Press an item to select it.

When you select the street, the unit gives you the option of specifying a specific house/ building number or an intersection.

Address or intersection

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If you choose Address, the unit displays the valid range of addresses at the top of the onscreen keyboard.

Keyboard with address range

7. Type the address and press the accept button (check mark).

Continue with “Traveling to your destination” on page 47.

Pointing to your destination

Rather than enter an address, you can use your finger to touch a location on the map.

1. Press the navigation button (F3) followed by Start Route Guidance, then scroll down to Map and press it.

   OR

   Just touch the location you wish to use as your destination on the map without pressing the navigation button first.

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Crosshairs appear at your current location.

Crosshairs mark the location you touched

2. Touch the location on the map.

   If the location is not on the map, touch the map in the direction of the location as if your finger was doing the traveling.

   Continue touching the map until you pinpoint the location.

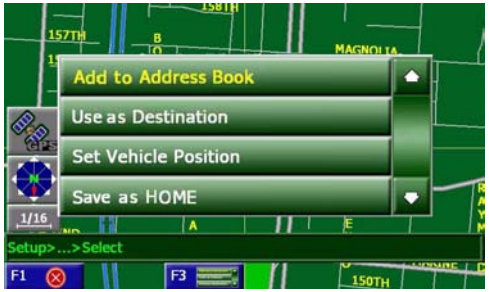
3. Press the push pin button (F5).

   The unit displays the selected destination as a list item.

4. Press the name to confirm the location.

   If you started by pressing the navigation button, continue with the next topic.

   If you just pointed to the destination, the unit prompts you to select how to use the location.



Uses for a pinpointed location

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5. Press Use as Destination and continue with the next topic.

Traveling to your destination

Once you select a destination, N.I.C.E. calculates your route, based on any preferences you set (See “Customizing” on page 63). Route calculation progress appears on the status bar.

Note

The longer your journey, the longer the system takes to calculate your route. If you’re driving across the country, don’t worry if the unit takes a few more seconds.

A magenta line traces the beginning of your journey and your next appears at top left.

Directions can be visual only, or include verbal instructions, depending on whether or not you prefer voice guidance to be on or off. See “Turning voice guidance on and off” on page 73 for more information about this option.

If voice guidance is on, you hear is “Please proceed to the highlighted route.” Once you begin driving, N.I.C.E. will provide additional instructions.

Start driving. If at any time you want to hear the verbal instruction again, press the speaker button (F5).

Note

If signal strength seems weak, extend the GPS antenna on the back of the unit. To locate the antenna, see “Back view” on page 11.

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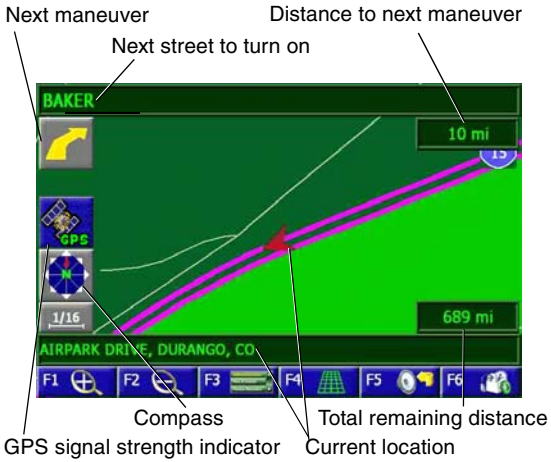
Visually tracking your route



Map during navigation

The red pointer moves on the map as you drive and your current location appears in the status bar located just above the buttons at the bottom of the screen.

A close-up of your next maneuver displays in the upper left corner of the screen.

The name of the next street to turn onto appears in the bar at the top of the screen and the distance to the next maneuver appears in the upper right corner.

The total trip distance displays in the lower right corner.

Recovering from a wrong turn

Don't worry if you miss a turn or intentionally stray off course to avoid roadwork or an accident, With automatic recalculation on, N.I.C.E. remaps your journey as soon as you turn away from its calculated route.

It also updates the compass information and onscreen distance indicators.

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Controlling automatic recalculation

If you don't want the unit to recalculate your route, you can turn automatic recalculation off.

For example, you may know how to detour around an accident and want to just continue with the same journey after the detour.

1. Press the navigation button (F3), then press Setup.
2. Press Navigation Preferences and scroll down to Auto Recalc On.
3. Press this button to turn automatic recalculation off.

   The original route remains highlighted.
4. Turn this option back on again after the detour.

Which way is up

The top of the screen can always point north or it can point in the direction you are traveling.

- North Up displays a map with north always toward the top of the screen.
- Heading Up displays a map with your direction of travel always toward the top of the screen.

  This setting makes the map move around more as you travel, but some people prefer it.

You'll have to try both settings to decide which you prefer. See "Customizing" on page 63.

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Changing map perspective

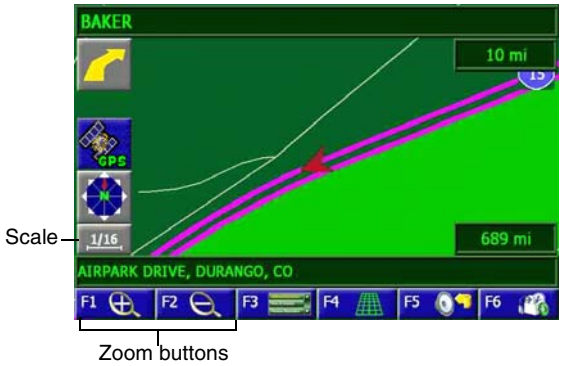
N.I.C.E. offers three different map views.

3D perspective with clouds

Press the map button to alternate among 2D, 3D and split screen views. With 3D view you can see more of the road ahead. Daytime blue sky and clouds turn to stars at night.

Zooming in and out

Pressing the zoom buttons changes the scale of the map.



Map during navigation

The farthest you can zoom in is to 1/16th of a mile. The farthest out you can zoom is to eight miles.

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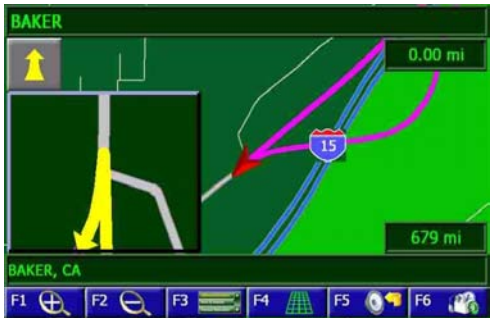
Viewing an intersection close up

When you are within one mile of the next intersection, N.I.C.E. displays an enlarged view of the intersection on the left side of the screen



Enlarged intersection

To turn this feature off, see “Maximizing space for the map” on page 68.

Monitoring signal strength

The GPS indicator shows the strength of the GPS signal:

Strong signal (green)

Weak signal (light green)

No satellite connection (gray)

Canceling route guidance

If you change your mind after selecting a destination:

1. On the main navigation screen, press the navigation button (F3).

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The unit displays three options.

Navigation options menu

2. Press Cancel Route.

   The main navigation screen appears.

Previewing your journey

This procedure lets you preview a route starting from any location.

Turn simulation on

This feature activates route guidance without actually going anywhere.

1. Press the navigation button (F3).
2. Press Setup.
3. Press Navigation Preferences.
4. Scroll down and press Simulation to turn it on.

   The simulation icon replaces the signal strength indicator along the left edge of the screen.

5. Press the exit button (F1) to close Setup.

Define your current location

1. Touch any location on the map.

   Crosshairs appear and the unit centers the point you touched on the screen.

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If the address is not on the map, touch the map in the direction of the address as if your finger was doing the traveling.

Continue touching the map until you find the location.

2. Press the push pin button (F5).

   The unit displays the selected location as a list item.

3. Press the name to confirm the location.

4. Press Set Vehicle Position.

   The red pointer moves to this position.

Define your destination

Touch your destination as you did for defining your current location.

OR

Press the navigation button (F3) and use the menus to define your destination.

As soon as definition is complete:

- The unit calculates the route and begins route guidance.
- The red pointer moves along the route in 0.01 mile increments.
- A beep sounds when the unit turns onto a new street.

Note

After you've previewed your journey, Simulation automatically resets itself to off.

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Backing up safely

If you own a van or SUV, you know how difficult it can be to maneuver into or out of a parking space. With a camera mounted at the back of your vehicle and your N.I.C.E. installed, you can back up safely.

Precautions

- Always back up with care.
- Objects in on the video screen may be larger than they appear.

Backing up procedure

When the N.I.C.E. detects that you have put the car into reverse, it switches to rearview camera mode.

Note

Automatic camera on requires the the reverse trigger be connected. Consult a professional installer.

If the reverse trigger is not connected:

1. Press the VIDEO button below the LCD.

   OR

   Press the mode button, press VIDEO on the menu grid, then press the audio/video input button.

2. Press the Camera button.

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The output from the camera displays in the video window.

Video window

3. Press the full-screen button to stretch the video input to fill the screen. Press the screen to return to the default menu.

Updating the address book

Adding addresses to the address book involves selecting an address from the N.I.C.E. database and associating a name, such as “Office,” “Grandma’s house” with that address.

The only aspect of the address book that you can later edit is the name you associate with an address.

Adding an address

You may add your current address or an address after using it as a destination to the address book. The following procedure explains how to add an address without using it as a destination first.

1. Touch the address location on the map.

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Crosshairs appear and the unit centers the point you touched on the screen.

Crosshairs mark the location you touched

If the address is not on the map, touch the map in the direction of the address as if your finger was doing the traveling.

If the location is a long way away from the current location, zoom out (F2) before you touch the map, then zoom in again (F1) when you are getting close to the location.

Continue touching the map until you find the location.

2. Press the push pin button (F5).

   The unit displays the selected location as a list item.

3. Press the name to confirm the location.

4. Press Add to Address Book.

   The unit displays the onscreen keyboard.

5. Type a name to associate with this address, such as “Friend’s house,” “Market,” etc,

6. Press the accept button (check mark) to save the name.

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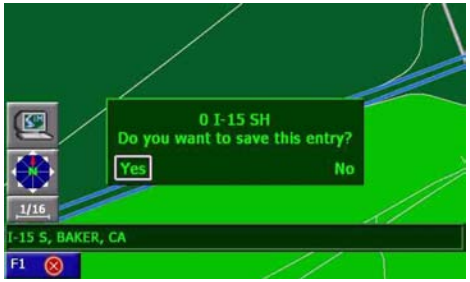
The unit asks you to confirm the save.



Sample confirmation message

The name associated with the example above is, “O I-15 SH.”

7. Press Yes to save the name or No to return to the previous menu.

Adding/editing/deleting addresses

1. Press the navigation button (F3).
2. Press Edit Address Book.

The unit gives you four options:

Edit address book options screen

- Add Previous Destination displays a list of previous destinations including the one you just entered,
- Add Current Location lets you enter your current location.

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- Edit lets you change the name associated with an address.
- Delete removes the address from the address book.

3. Press the desired option.

   If you pressed Add Previous Destination, the unit displays a list of previous destinations.

Previous destinations list

   If you chose to edit an existing name, the unit displays a list of the addresses currently stored.

Currently-stored address list

4. Press the desired item.

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The onscreen keyboard appears, with the address name displayed near the top.

Name The Entry screen

You can edit only the name associated with the address. To change the address itself, delete it and add it again.

5. Press the accept button (check mark) to save the address using the displayed name.

   OR

   Press and hold the backspace button to erase the existing name, then type a name.

   For example, rather than use the address of our local school as the name, you could change it to "SCHOOL."

6. Press the accept button (check mark) to save the edited name.

   A confirmation screen appears.

7. Press Yes to save your entry or No to return to the Name-the-entry screen.

   The main navigation screen appears.

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Listening to the radio while navigating

To listen while you navigate, press the SIRIUS button below the LCD.

The SIRIUS controls overlay the top of the navigation screen.

Minimized radio controls overlay the navigation screen

When minimized, only the top line appears.

When maximized, two additional lines appear.

Exit button Turns radio off

Information Displays radio signal strength, current channel and band

Expand/minimize overlay Controls display of channel selection controls

Maximized SIRIUS radio controls

- To move forward and backward through the channels, press the channel buttons.
- To switch among channel, artist and song title, touch the information window.

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- To directly select a channel, press the DIRECT button followed by the channel button.
- To select a preset channel, press BAND to alternate among the three bands, then press the band number.

Note

Voice guidance takes priority over the radio.

Playing music while navigating

To listen to stored music while you navigate, press the MUSIC button below the LCD.

The MUSIC controls overlay the top of the navigation screen.

Expanded music controls overlay the navigation screen

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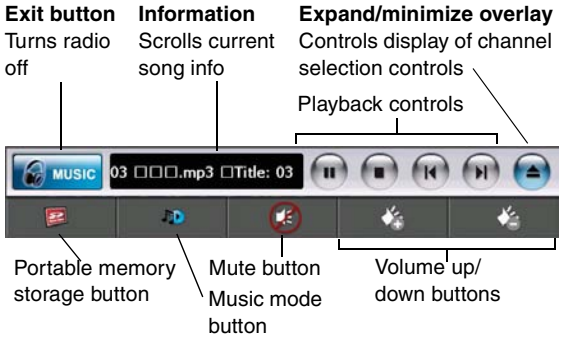
When minimized, only the top line appears.



MUSIC radio controls

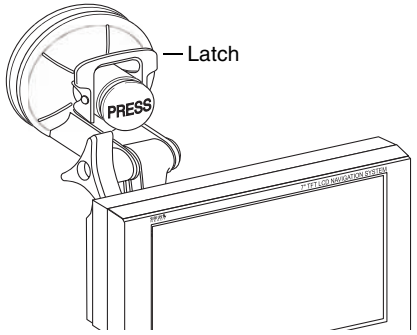
Note

Voice guidance takes priority over music.

For more information about playing music, see “Playing music” on page 95.

Traveling with N.I.C.E.

To remove the unit from your vehicle, lift up the latch that holds the suction cup to the windshield.



Locating the latch

You can use the unit at home. To carry it with you when you travel, put it in the carrying case.

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4. Customizing

This chapter explains how to customize the N.I.C.E. unit and features to suit your preferences.

Changing screen brightness

1. Press the onscreen mode button followed by Setup on the menu grid.

Menu grid

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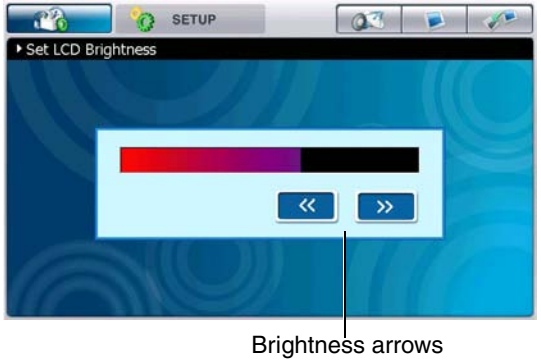
1. The unit displays the SETUP menu.

Setup menu

2. Press the LCD button.

1. The unit displays the brightness bar.



Brightness bar

2. Press the left and right arrows to adjust the brightness of the screen.

   The new setting takes effect immediately.

3. Press the LCD button again to accept the new setting.

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Setting the speaker volume

You control the volume through a setup option or by using the volume up/down buttons on the radio and music default screens, and on the remote control. Each method adjusts the same volume setting.

This procedure explains how to set volume using navigation setup.

1. If you're not in navigation mode, press NAVI.
2. Press the navigation button (F3) followed by Setup.
3. On the Setup menu, press Set Volume level.

The volume level displays on the status bar.

Volume level bar

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4. Press and hold the Volume Up (F1) or Volume Down (F2) buttons to adjust the volume between 0 and 100 percent.
5. Press the mute button (F4) to mute all sound.
6. Press the navigation button (F3) to return to the main navigation screen, or simply wait a few seconds and the main navigation screen appears automatically.

Note

The volume buttons on the radio and music screens change the same volume setting as the SETUP option.

To mute only the guidance voice, see "Turning voice guidance on and off" on page 73.

Customizing navigation

Accessing preferences

These general instructions work for all options.

1. If you're not already on the main navigation screen, press the navigation button (F3).

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The navigation menu appears.

Navigation button (F3)

Navigation menu

2. Press Setup.

The Setup menu appears.

Multi-item scroll buttons (F2 & F4) Back button (F6)

Setup menu

3. Press an option button.

   Use the multi-item scroll buttons to view additional options.

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4. Press the button to turn the feature on/off.
5. Scroll down to display additional options.
6. Press the back button (F6) to return to the Setup menu.
7. When you're finished, press the exit button (F1).

Maximizing space for the map

To see more of the map, turn off all the indicators, icons and status bars that provide additional information.

1. To access these options, press Display Options on the Setup menu.

The options menu or settings appear.

Display Options menu

Consider turning off:

- GPS Icon
- Status Bar (this is the bar located at the bottom of the screen, just above the buttons)
- Scale Icon

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- Compass Icon
- Next maneuver Icon
- Enlarged Intersection icon

2. Press the option to change it.
3. When you're finished, press the exit button (F1).

Shortest time or shortest distance

You can configure the unit to calculate the shortest distance or the shortest time.

1. Press the navigation button (F3).
2. Press Setup.
3. Press Navigation Preferences
4. Press the Shortest Distance/Shortest Time button.

   When set to Shortest Distance, the unit calculates the route based on the shortest distance, as the crow flies.

   When set to Shortest Time, the unit calculates the route based on the shortest estimated travel time. This time is based on road type (for example, interstates are assumed to be faster).

5. When you're finished, press the exit button (F1).

Avoiding interstates and toll roads

If you don't like to drive on freeways or wish to avoid toll roads, the unit will calculate a route that avoids these roads.

1. Press the navigation button (F3).
2. Press Setup.

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Press Navigation Preferences and scroll to view the following options.

Navigation preferences

- Press the Avoid Freeway Yes/No button to display the desired setting.
- Press the Toll Yes/No button to display the desired setting.

3. When you're finished, press the exit button (F1).

Changing the language

1. Press the navigation button (F3).
2. Press Setup.
3. Press Set Language.

   The Languages menu appears.

Languages menu

4. Press the desired language.

   N.I.C.E. supports English, Spanish and French.

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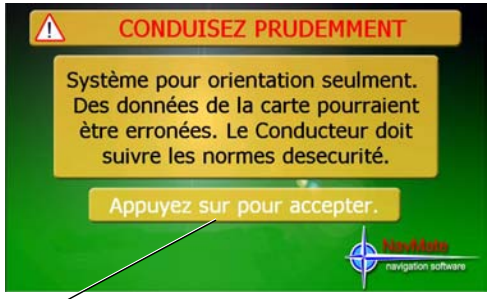
The caution screen appears in the selected language.


CONDUISEZ PRUDEMMENT
Système pour orientation seulment. Des données de la carte pourraient être erronées. Le Conducteur doit suivre les normes desecurité.
Appuyez sur pour accepter.
navigation software
Accept button

Caution screen in French

5. Press the accept button.

   The map database and verbal guidance are now set for the selected language

   All menu items remain in English.

6. When you're finished, press the exit button (F1).

Changing distance units

The distance to the next maneuver appears in the upper right of the screen. The unit can report distances in miles, kilometers and meters, or miles and yards.

1. Press the navigation button (F3).
2. Press Setup.
3. Scroll down and press Set Distance Units.

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The unit displays.

Units menu

4. Press the desired distance unit. The main navigation screen appears.

   The new units setting appears next time you navigate.

5. When you're finished, press the exit button (F1).

Defining position using lists

If your starting point is in a high-rise complex or large manufacturing plant where the N.I.C.E. mounted in your vehicle does not have direct access to the satellite signal, follow this or the procedure in the next topic to establish your point of origin (HOME).

1. Press the navigation button (F3),
2. Press Setup.
3. Scroll down and press Set Vehicle Position.
4. Use the menus to define the point of origin in the same way you defined a destination. See "Define your destination" on page 35.

Defining position by pointing

Rather than use the lists as in the previous topic to define your origin, you can use the map itself.

1. Touch the address on the map,

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If the address is not on the map, touch the map in the direction of the address as if your finger was doing the traveling.

Continue touching the map until you find the location.

2. Press the push pin button (F5).

   The unit displays the selected location as a list item.

3. Press the name to confirm the location.

4. Press Save as HOME.

   The unit displays, “Home Location Saved,” and returns to the use options list.

Turning voice guidance on and off

When voice guidance is on (the default setting), N.I.C.E. provides verbal, step-by-step directions as you travel the selected route.

1. Press the navigation button (F3).

2. Press Setup.

3. Press Navigation Preferences.

4. Scroll down and press Voice Guidance On/Off.

   To hear the voice, the internal speaker must be on (see “Setup reference” on page 129) or the FM Transmitter feature, which sends audio output to your car’s stereo speakers, must be selected and configured. See “Audio through your car stereo” on page 30.

5. When you’re finished, press the exit button (F1).

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5. SIRIUS Satellite Radio

SIRIUS satellite radio makes available over 120 channels of commercial-free entertainment for your car, home or office. Of those 120 channels, 65 provide original content.

Music channels include today's hits, R&B oldies, classical music, country, bluegrass, jazz, latin, reggae, rock and more.

In season you can listen to 16 NFL games a week, up to 40 NBA games a week, and up to 40 NHL games a week. Coupled with great sports news from ESPN, SIRIUS offers unrivaled sports coverage.

News and entertainment offerings include NPR, CNBC, Fox News, Radio Disney and E! Entertainment Radio.

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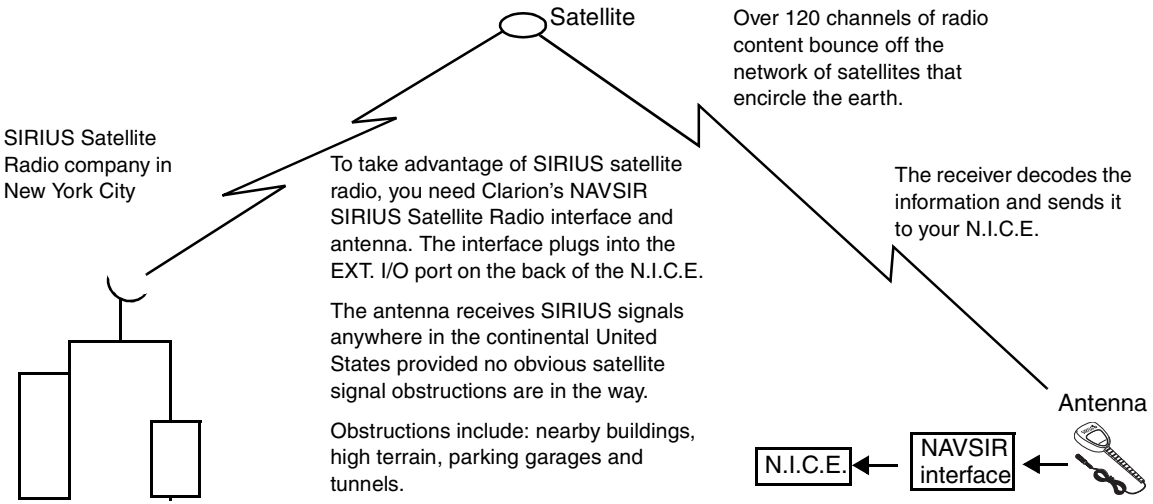
How satellite radio works


Satellite
Over 120 channels of radio content bounce off the network of satellites that encircle the earth.
SIRIUS Satellite Radio company in New York City
To take advantage of SIRIUS satellite radio, you need Clarion's NAVSIR SIRIUS Satellite Radio interface and antenna. The interface plugs into the EXT. I/O port on the back of the N.I.C.E.
The antenna receives SIRIUS signals anywhere in the continental United States provided no obvious satellite signal obstructions are in the way.
Obstructions include: nearby buildings, high terrain, parking garages and tunnels.
The receiver decodes the information and sends it to your N.I.C.E.
Antenna
N.I.C.E.
NAVSIR interface

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Getting started

To listen to SIRIUS satellite radio you need two things in addition to your N.I.C.E.:

- Optional NAVSIR interface installed in your vehicle.

  This unit receives the satellite signal. For installation instructions, see the user's guide that comes with the NAVSIR.

- A subscription to SIRIUS satellite radio.

Note your ID number

1. Press the SIRIUS button at the bottom of the screen or press the mode button (toolbox), then press SIRUIS.
2. If you are in navigation mode, press SIRIUS again to open the full SIRIUS display.

SIRIUS main screen

3. Press the onscreen MENU button.

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4. The unit displays the Menu Options page with the SIRIUS ID option highlighted.

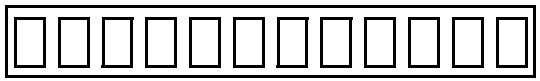
Options menu

5. Press the SIRIUS ID menu item.

6. The 12-digit SIRIUS ID number appears.

Options menu

7. Write this number here.



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Activate the radio service

- Visit Sirius.com and click JOIN, then follow the onscreen instructions.

  OR

- Call SIRIUS at 1-888-539-SIRIUS (7474).

  A Customer Care representative will activate your service. A subscription fee is involved.

Note

Make sure to have your identification number accessible when calling Sirius.

Antenna Aiming

To receive a good signal requires a direct line of sight between you and the satellite. If your reception is poor, moving the antenna may help. This option confirms that the antenna is in the best position to receive the satellite signal.

1. Press MENU.
2. The options menu appears.

Options menu

3. Press the ANTENNA AIMING menu option.

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The unit displays two 10-segment horizontal bar graphs with a minus (-) to the left and a plus (+) to the right.

Antenna aiming graphs

The satellite (SAT) graph displays the satellite signal strength. The terrestrial (TER) graph shows the terrestrial signal strength.

Note

In urban areas where structures may affect the line of sight satellite signal, terrestrial repeaters (TER) strengthen the signal. They may not be available in your geographical location.

Basic Operations

1. After activating your SIRIUS subscription, press the SIRIUS button at the bottom of the screen
2. If the unit is in navigation mode, press the SIRIUS button again.

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The SIRIUS logo appears for three seconds followed by the SIRIUS default display.

SIRIUS default display

For a complete identification of each item on this display, see “Sirius Satellite Radio controls” on page 17.

If you’re playing the radio for the first time, the unit displays “Updating Channels.”

3. Press the onscreen channel previous and next buttons to move to the next channel. The channel starts playing.

Definition

A channel is a source of satellite radio content.

Direct tuning by channel

If you know the three-digit channel number:

1. Touch the middle of the screen.
2. Enter the channel number using the row of numbered buttons along the bottom of the screen.

   The unit changes immediately to the channel.

If you enter only one or two digits, the unit waits for three seconds before changing the channel.

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Tuning by category

Category groups channels by music genre or other content. For example, your favorite rock channels are in the category “ROCK.”

1. Press the onscreen previous and next category buttons to select a category.
2. Press the displayed channel option to select the channel within the category.

   The channel begins playing and the LCD returns to the default display.

Tuning by previewing

There are two ways to preview what’s playing before selecting a channel.

Previewing by category

This procedure lets you view by category what’s currently playing on other channels without changing the current channel.

1. Press the onscreen previous and next category buttons to select a category.

   The unit displays a list of categories.

Channel list

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2. Press DISP (display).

   Touching DISP again and again alternates the list among channel, artist name and song title

3. Press the channel name on the touch-sensitive screen to select it.

   The channel begins playing and the LCD returns to the default display.

Previewing all channels

This procedure lets you view regardless of category what's currently playing on other channels without changing the current channel.

1. Press DISP (display).

   The unit displays a list of all channels regardless of category.

2. Press DISP again and again to alternate the list among channel, artist name and song title.

3. Press the channel name on the touch-sensitive screen to select it.

   The channel begins playing and the LCD returns to the default display.

Use channel up and down to scroll among channels.

Tuning by favorites

The receiver can locate up to 30 favorite channels—10 per band. This feature saves time by presetting only the channels you like.

Storing favorites

1. Press BAND briefly to select A, B, or C.

   The Band indicator changes to the corresponding preset band. Each band locates 10 presets.

2. Locate the channel you want to assign to a preset by direct tuning. See "Direct tuning by channel" on page 80.

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3. With the channel playing, press and hold any of the numbered keypad buttons (0-9) for one second.

   The channel number flashes and remains lit to indicate that the unit stored the channel number. The current channel number replaces any previously stored channel associated with that number.

Direct tuning by band and preset

1. Press BAND briefly and again briefly to switch among the three bands: A, B, and C.

   The Band indicator changes to the corresponding preset band.

2. Press one of the 0 - 9 keys.

   The associated preset channel begins playing and the LCD returns to the default display.

Tuning by preset number

1. Press and hold BAND to enter Preset Tune Mode.

   The Band indicator changes to show the current preset number.

2. Press the previous and next channel buttons to move backward and forward through all presets.

   The associated preset channel begins playing and the LCD returns to the default display.

This procedure displays only stored presets in band and preset number order (A-1, A-2... B-1, B-2... C-1, C-2...).

To return to Channel Tune Mode without selecting a preset, press and hold BAND.

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Tuning by preset list

1. Press and hold BAND.
2. Press DISP.

   The unit displays up to five preset channels.
3. Press DISP again and again to alternate among channel name, artist name and song title.
4. Press the onscreen previous and next channel buttons to scroll through the preset list.
5. Press the channel on the touch-sensitive screen to select it.

   The channel changes and the display indicates that you are in Preset Tune Mode.

Searching for favorites

When you turn N.I.C.E. on, it can automatically search the incoming SIRIUS signal and alert you when a favorite song is playing. Then it's up to you to switch from your current channel to the channel playing your favorite.

Storing favorite information

You may store a list of up to 20 favorite artists and song titles. To store a favorite, it must be currently playing.

When a favorite song is playing, press MEMO (memory).

The unit makes sure you have not already stored this channel an another preset.

Assuming it does not find a duplicate, the unit stores the current program information in its memory and displays a pop-up screen that shows how many of

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the 20 memory slots are used and how many are empty.

Finding favorites

If it finds one or more songs playing on channels other than the current channel, the N.I.C.E. beeps and displays “Memory Alert” for two seconds followed by the list of favorites that are currently playing appears.

Press the name of the song on the touch-sensitive screen to select the channel.

The stored channel begins to play and the display reverts to its condition before the alert occurred.

If you make no selection within 10 seconds, the display returns to its previous status.

Viewing stored favorite information

1. Press and hold MEMO for three seconds.

   The unit displays the stored information, one item at a time.

2. Press the onscreen previous and next channel buttons to page through all 20 items.

Deleting one stored favorite

1. Press and hold MEMO for three seconds.

   The unit displays the stored information, one item at a time.

2. Briefly press the favorite name.
3. Press Yes or No on the touch-sensitive screen.

Deleting all stored favorites

1. Press MENU.

   The options menu appears.

2. Press the MEMORY OPTION menu item.

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The unit displays two options: Automatic Memory Search and Clear All Memory.

Memory options

To exit without clearing memory, press MENU again.

3. Under Clear All Memory, press Yes.

Parental control features

You may restrict young people from accessing specific channels in two ways:

- Skip specific channels when tuning.

  Use this feature to completely omit specific channels, which the SIRIUS receiver does not even download from the satellite. For instructions, continue with the next topic.

- Require the listener to enter a four-digit lock code to play specific channels.

  Use this feature to allow only those who know the four-digit activation code to listen to the channel. For instructions, see “Locking out certain channels” on page 89.

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Skipping channels

With hundreds of channels available, you may wish to limit the accessible list to only those you like.

1. Press the onscreen MENU button.
2. The options menu appears.

Options menu

3. Press the ADD or SKIP onscreen menu item.
4. Press the onscreen previous and next channel buttons to display the channel selections.

   Press DISP again and again to alternate among channel name, name of current artist, and name of current song.
5. Press the channel number on the touch-sensitive screen to skip the channel.

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The unit displays “Skip” next to the channel number and will not download this channel during regular tuning.

Channel list with one channel skipped

Pressing the channel number again includes the channel in the download and removes the “Skip” setting.

To return to the menu exit without setting this option, press MENU again.

Accessing skipped channels

There are only two ways to access skipped channels:

- Enter the channel number directly. See “Direct tuning by channel” on page 80.
- Use the Add option to restore the channel.

Restoring a skipped channel

1. Press the onscreen MENU button.
2. Press the ADD and SKIP onscreen menu item.
3. Press the previous and next channel buttons to highlight the skipped channel.
4. Press the channel number on the touch-sensitive screen.

   “SKIP” disappears next to the channel number.

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Locking out certain channels

Locking a channel requires the entry of the four-digit lock code to play the channel. You can use this feature to prevent unauthorized people, such as children, from accessing specific channels.

Locking a channel

When you select this option, the unit prompts you to define a four-digit lock code.

1. Press the onscreen MENU button.

   The options menu appears

Options menu

2. Press the LOCK or UNLOCK menu item.

   The unit displays the lock code entry box.

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3. If this is the first time you've used this feature, enter the default code "0000."

   If you've used this feature before, enter your unique four-digit code. To change this code, see "Changing the lock code" on page 92.

   The unit displays a channel list with the current channel highlighted.

4. Press the onscreen previous and next buttons to highlight the channel to lock.

5. Press the channel number on the touch-sensitive screen to lock the channel.

Channel list with one channel locked

The unit displays "LOCK" next to the channel number. Although the unit will download this channel, it will not allow access during regular tuning without entering the lock code.

To exit without setting this option, press Enter or MENU again.

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Accessing locked channels

To access a locked channel:

1. Enter the direct channel number.
2. Enter the four-digit lock code.

   The channel begins to play.

Note

The channel returns to the locked status if you change channels or turn the unit off (for example, turn the vehicle off).

Restoring a locked channel

When you select this option:

1. Press the onscreen MEMO button.
2. Press Lock Options on the touch-sensitive screen.

   The unit displays the lock code entry box.
3. Enter the four-digit code.

   The unit displays a channel list with the current channel highlighted.
4. Press the onscreen previous and next channel buttons to highlight the locked channel.
5. Press the channel number on the touch-sensitive screen to unlock it.

   “LOCK” disappears next to the channel number.

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Changing the lock code

1. Press the onscreen MENU button.

   The options menu appears.

Options menu

2. Press the EDIT CODE menu item.

   The unit displays the lock code entry box.

Edit code entry box

3. Enter the four-digit code or “0000” if this is the first time you’re setting the code.

   The New Code prompt appears.

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4. Enter the new four-digit code using the keypad buttons.

   The unit prompts you to confirm the code.

5. Enter the new four-digit code again.

   You have changed the lock code.

To exit without setting this option, press Enter or MENU again.

Resetting factory defaults

To return the unit to the configuration it had when you purchased it:

1. Press MENU.

   The options menu appears.

Options menu

2. Press the FACTORY DEFAULT menu item.

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The unit displays:

Restore setting options

3. Press YES.

   All SIRIUS option settings return to their factory defaults.

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6. Music modes

This chapter provides guidelines for using the N.I.C.E. in video and music mode.

Playing music

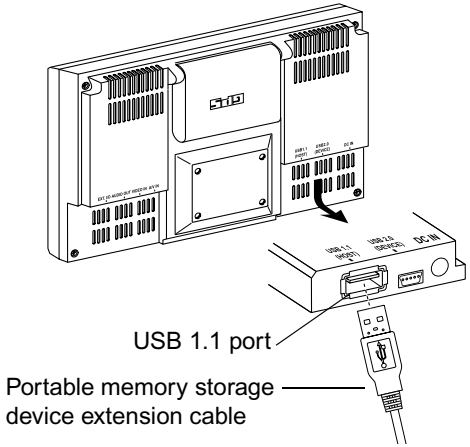
You can play music stored on the unit's hard disk or on a portable memory storage device connected to the USB 1.1 port.

For information about how to download music (and photos) from your PC to the N.I.C.E., see "Copying files" on page 103.

Supported formats

- MP3
- WMA
- WAVE

Portable music storage



Portable memory storage device connection

1. If the music is stored on a memory stick insert the stick directly into the USB 1.1 port on the back of the unit.

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If the portable memory storage device has an extension cable, connect the cable.

Power to the N.I.C.E. may be on or off when you connect the device.

2. If the power to the unit is off, turn it on.

Configuring music playback

To listen while you navigate, choose music and configure how you want your files to play (random, etc.) before you start navigating.

1. Press the MUSIC button below the LCD.

   The music banner appears across the top of the screen.

2. Press the MUSIC button again.

   The music default screen appears and the last song you were listening to begins to play.

Default music screen

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3. To change the song, press the title of a different song in the right pane.

   OR

   To play a song in a different folder, press the folder button.

   OR

   To play a song stored on an portable memory storage device, press the portable memory storage button.

   Note

   Only MP3 files can be played while navigating.

4. Press the song title on the touchscreen.

   The song begins to play. When it's finished, the unit plays the next song based on the music mode.

5. Press the music mode to alternate among these options:

Music mode button

Repeat all songs in one folder.

Repeat current song.

Play all songs in system at random.

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7. Video mode

This chapter provides guidelines for using the N.I.C.E. in video and photo modes.

Video options

N.I.C.E. includes several video options:

- Backup view

  If your vehicle is equipped with a rearview camera, output from the camera displays in the N.I.C.E. video window. For more information, see “Backing up safely” on page 54.

- Viewing a DVD movie
- Playing video games
- Viewing digital photos stored in your camera, on a memory stick or on the N.I.C.E. hard disk.

Supported format

The unit supports the JPEG format for photos 1MB or smaller in size.

Playing a movie or game

Note

It is illegal to drive and watch a video at the same time. When the GPS detects motion, it disables video viewing.

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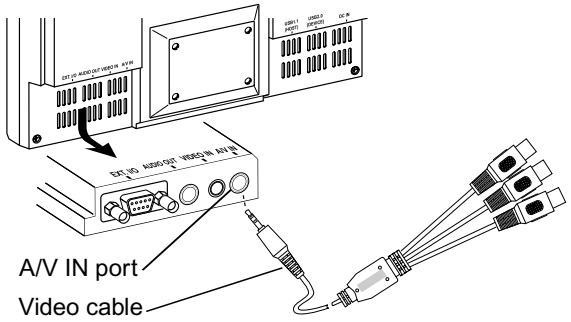
Connect to the player

Plug the DVD player or video game system cable into the A/V IN port on the back of the unit.



A/V IN connection

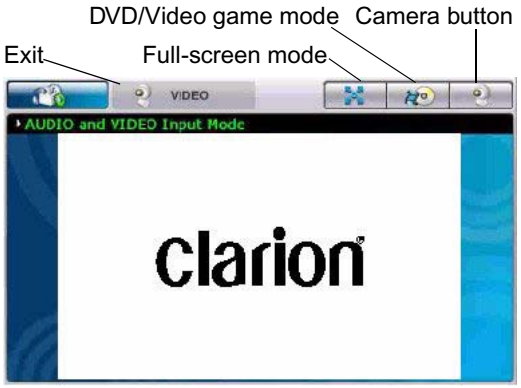
Viewing a movie or playing a game

1. Press VIDEO at the bottom of the screen.

   OR

   Press the onscreen mode button and then press VIDEO.

   The unit displays the video window.



Video screen

2. Load your DVD player or video game and press play.

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The image displays on the screen.

3. Press the full-screen mode button to stretch the video input to fill the screen.

Backing up with the camera

1. Press the VIDEO button below the LCD.

   OR

   Press the onscreen mode button and press VIDEO.

2. Press the camera button.

   The image appears in the video window.

3. Press the full-screen button to stretch the rearview camera image to fill the screen.

Viewing a slide show

In photo mode, the N.I.C.E. lets you page through digital photos stored on the unit's hard disk or on a portable memory storage device connected to the USB 1.1 port.

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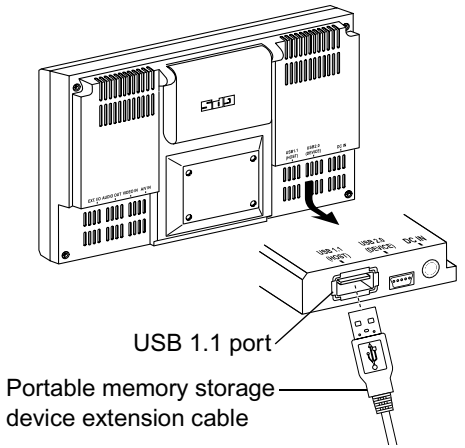
Photo storage

Power to the N.I.C.E. may be on or off when you connect a portable memory storage device.



Portable memory storage device connection

1. If the photos are stored on a memory stick insert the stick directly into the USB 1.1 port on the back of the unit.

   If the portable memory storage device has an extension cable, connect the cable.

   If the photos are on your computer, see “Copying files” on page 103 for how to copy them from the PC to the N.I.C.E.

2. If the power to the unit is off, turn it on.

Showing slides

1. Press the mode button (F6 on the navigation screen) and press PHOTO.

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The unit displays the photo default screen.

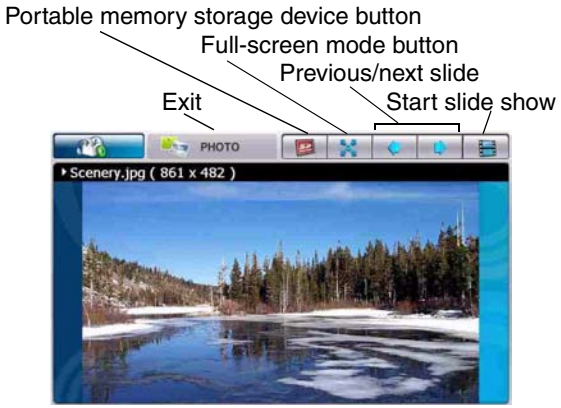

Photo viewer screen

2. To select digital images on a portable memory storage device, press the portable memory storage device button.
3. To expand the image to fill the screen, press the full-screen mode button.
4. Press the Start-slide-show button to start the show.
5. Press the previous and next buttons to view the images.

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8. Care and updating

This chapter covers cleaning the unit, updating the map database, uploading music and photos from a PC to the N.I.C.E., updating the unit's firmware, and troubleshooting.

Cleaning the unit

To remove dust, gently wipe the unit with a damp, soft, clean cloth.

Do not spray any cleaning agent directly on the LCD.

If you accidently drop the unit in water, do not turn the power on until it has fully dried out.

Updating the map database

Clarion continuously publishes new map databases on DVD. You can purchase the latest map DVD from the Clarion Website:

www.clarion.com

Once you have the DVD, follow the steps in the next topic to update the N.I.C.E. map database.

Copying files

N.I.C.E. can store up to 10 GB of music and photo files, making it easy to listen to your favorite music or view your favorite photos while on the road.

Music must be in MP3, WMA, or WAVE format; photos must be in JPEG format.

You copy files from the PC to the N.I.C.E. or from the N.I.C.E. to the PC using standard Windows® procedures.

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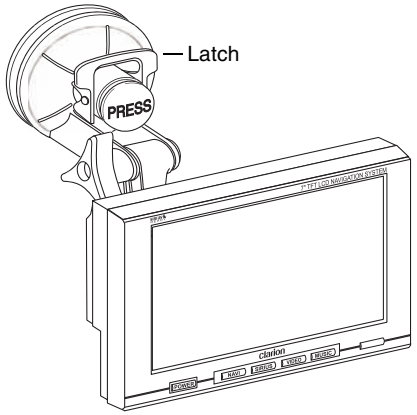
Removing the unit

If you have a laptop computer you may be able to transfer files without removing the N.I.C.E. from your vehicle.

1. Otherwise, lift the latch that holds the suction cup to the windshield to remove the N.I.C.E. from your vehicle.



Locating the latch

2. Carry the N.I.C.E. to the PC.

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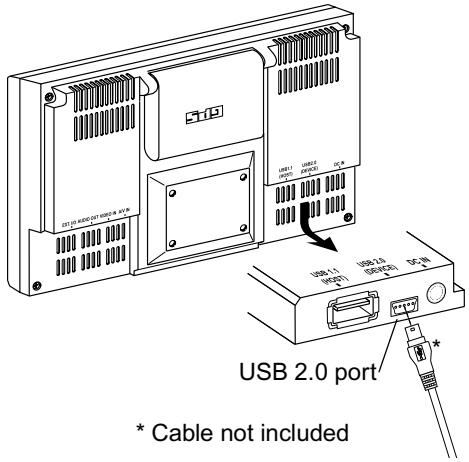
Connecting to your PC

You connect your N.I.C.E. to a PC using a standard USB 2.0 cable. Most computers come with this cable or you can purchase one at your computer store.

1. Make sure power to both the PC and the N.I.C.E. is turned off.
2. Connect one end of a standard USB cable to the USB 2.0 port on the N.I.C.E.



USB 2.0 connection

3. Connect the other end of the USB cable to the PC's USB 2.0 port.

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4. Turn on power to both the PC and the N.I.C.E.

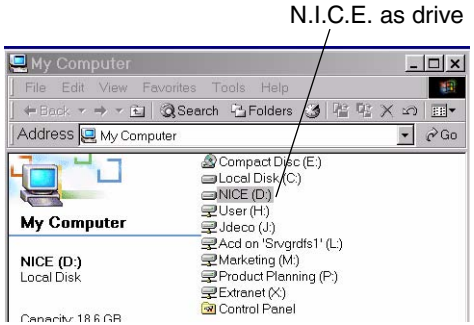
Copying files

1. If you're updating the map database, insert the DVD with the new database in the DVD drive on the PC.
2. On the PC, open My Computer or Windows Explorer.

   Consult your Windows manual if you need help.

   Windows opens a screen showing all the drives on your computer. Windows assigns a drive letter to the N.I.C.E. based on the other drives in your system.

   Therefore, the drive letter you see may be different from the one in the following example.



Sample My Computer window

3. Double-click the N.I.C.E. drive icon.

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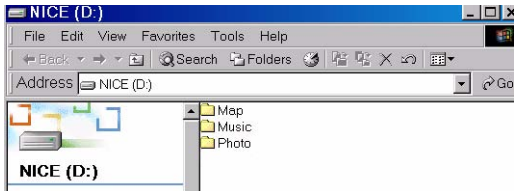
The N.I.C.E. folder opens, displaying the default Map, Music and Photo folders.



N.I.C.E. drive window

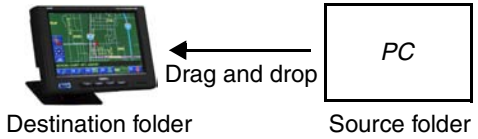
Note

If you delete the default Music or Photo folders, make new ones using Windows Explorer. (Consult your Windows manual for instructions.)

The folders must be named Music and Photo, otherwise you will be unable to view the photos on the N.I.C.E.

4. Double-click one of the folders, Map, Music or Photos in the N.I.C.E. window to open it.

   If you're copying from the PC to the N.I.C.E., this is the destination folder. If you're copying from the N.I.C.E. to the PC, this is the source folder.



Copy direction when updating the N.I.C.E.

5. Open another My Computer window.
6. If you're copying music or photos, navigate to the PC music or photos folder.

   OR

   If you're updating the map database, open the DVD.

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If you're copying from the PC to the N.I.C.E., this is the source folder. If you're copying from the N.I.C.E. to the PC, this is the destination folder.

7. Arrange the two windows on the PC desktop so that you can see the contents of both the source and destination folders.

8. In the source folder, select the files to copy.

   Hold CTRL and click individual file names to select them.

   OR

   Click the file at the top of the list, hold SHIFT and click the last file in the list.

   OR

   Hold CTRL and press A to select all files in the list.

KROQ
File Edit View Favorites Tools Help
Back Search Folders
Address KROQ
Go
Natalie Imbruglia - Torn.mp3
Natalie Imbruglia - Wrong Impression.mp3
Nena - 99 Luftballons.mp3
New Order - Bizarre Love Triangle.mp3
New Order - Blue Monday.mp3
No Doubt - Hella Good.mp3
No Doubt - Hey Baby.mp3
No Doubt ft. Save Ferris - I Want You To Want Me.mp
Oingo Boingo - Dead Man's Party.mp3
Oingo Boingo - Little Girls.mp3
Oingo Boingo - Weird Science.mp3

Sample selection of source music files

9. Click and drag the selected files to the selected destination Music or Photo folder.

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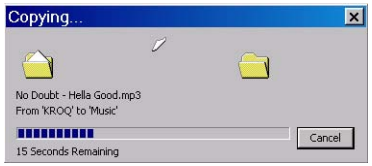
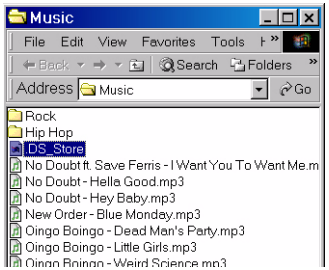
A Copying message may appear, depending on the PC's operating system and processor speed.



Sample Copying message

When the copy is finished, the files appear in the selected Music or Photo folder on the N.I.C.E.


Music
File Edit View Favorites Tools
Back Search Folders
Address Music Go
Rock
Hip Hop
DS_Store
No Doubt ft. Save Ferris - I Want You To Want Me.m
No Doubt - Hella Good.mp3
No Doubt - Hey Baby.mp3
New Order - Blue Monday.mp3
Oingo Boingo - Dead Man's Party.mp3
Oingo Boingo - Little Girls.mp3
Oingo Boingo - Weird Science.mp3

Sample Music folder after copying files

Disconnecting from the PC

1. Turn off power to the N.I.C.E. and shut down the PC.
2. Unplug the USB cable from both the N.I.C.E. and the PC.

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Deleting photo and music files

1. Follow the steps in “Connecting to your PC” on page 105.
2. On the PC, open My Computer or Windows Explorer.

   Consult your Windows manual if you need help.

   Windows opens a window showing all the drives on your computer. Windows assigns a drive letter to the N.I.C.E. based on the other drives in your system,
3. Double-click on the drive icon to open the N.I.C.E. folder.

   Windows opens the folder that contains the default Map, Music and Photo folders.
4. Double-click the folder on the N.I.C.E. that contains the file(s) to delete.

Caution

Do not delete the Map folder, as it contains all of the maps used for navigation.

5. Select the files to delete.

   Hold CTRL and click individual file names to select them.

   OR

   Click the file at the top of the list, hold SHIFT and click the last file in the list.

   OR

   Hold CTRL and press A to select all files in the list.
6. Press the Delete key on your PC keyboard.

   A confirmation dialog appears.

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7. Click Yes to delete the files, or No if you're not sure.

   After pressing Yes, the files are deleted from the N.I.C.E.

Note

The N.I.C.E. does not maintain a Recycle bin from which you can retrieve files you may have deleted by mistake. Once you delete files, they are gone.

Updating the firmware

From time to time Clarion upgrades the N.I.C.E. firmware.

Definition

Firmware is the operating system (OS) or software stored in the N.I.C.E. that controls system features and displays screens and messages.

1. Using a PC, copy the upgraded software from the Clarion website onto portable memory storage.
2. Insert the portable memory storage into the USB 1.1 (Host) port on the N.I.C.E.
3. Press the onscreen mode button followed by Setup on the menu grid.

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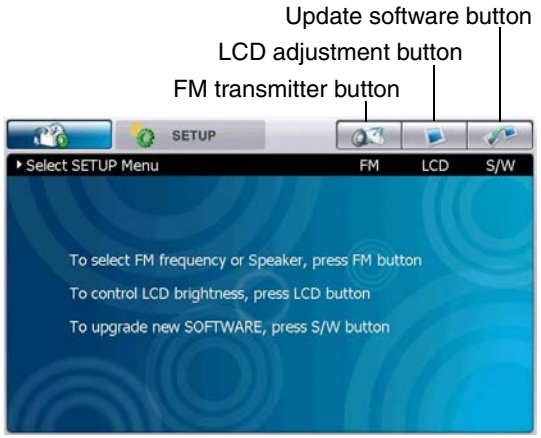
The unit displays the SETUP menu.



Setup menu

4. Press the update software button.

   The unit displays the current Operating System (OS) version and searches for any upgrades.

5. Follow the instructions on the screen.

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Troubleshooting

Description	Probable Cause	Remedy
N.I.C.E. does not turn on.	The power cable may not be properly connected. The fuse may be blown.	Check power cable and fuse.
GPS signal strength is weak	In some applications/installations, GPS signal may be difficult to receive.	Position the built-in GPS antenna to a better angle for signal reception. To locate the antenna, see “Back view” on page 11. If the signal is still weak, consider purchasing the NAVGPS, an externally mounted GPS antenna. Consult your dealer for further assistance.

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Description	Probable Cause	Remedy
The GPS signal was lost while en route.	The unit's line of sight to the GPS satellite has been obstructed, such as by entering a tunnel or parking garage.	Check the signal strength meter. If the signal does not return, you can manually set the vehicle position. For more information, see "Defining position using lists" on page 72
The LCD displays, "Check antenna".	The SIRIUS satellite radio antenna is not connected.	Check the antenna connection to the Satellite radio receiver.
	The antenna or its cable is faulty.	Contact the system installer or vendor.
Reception is marred by audio static or loss of clarity.	The FM frequency contains static.	Switch to another FM frequency.
	The vehicle's antenna is not connected to the radio.	Check the vehicle antenna cable.
GPS satellite indicator is gray indicating it cannot connect to a satellite.	Check for obstacles over or around the antenna.	Extend the GPS antenna or change your location to eliminate nearby obstacles, such as bridges and tall buildings.

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Description	Probable Cause	Remedy
You hear no sound from the unit's internal speaker.	The speaker may be turned off or redirected to the stereo speakers in your car or home.	1. Press the NAVI button; press Setup, Navigation Preferences. 2. Scroll to Voice Guidance and press the button to change the setting from Off to On. 3. Press the back button (F6) to go back to navigation preferences or the exit button (F1) to return to the main navigation screen.
You hear no sound from your car stereo speakers	You've selected an unavailable FM frequency.	Tune to the correct FM frequency.
N.I.C.E. displays an "abort" message		Turn the power off and back on again, and start over.

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Description	Probable Cause	Remedy
When trying to update firmware, the unit displays, “OS Update File can’t be found”	To update, you need the update software on portable memory storage in the USB 1.1 (Host) port. See “Updating the firmware” on page 111.	Double-check all connections.

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9. Reference

Modes

You select operational modes by pressing either physical or onscreen buttons.

Mode buttons

These buttons appear below the LCD.

Selects navigation mode.

Selects SIRIUS Satellite radio mode.

Selects video mode, used to view input from the rearview camera, videos, and play video games.

Selects music mode, used to play MP3, WMA and WAVE files.

Mode grid

This button appears onscreen in all modes.

Pressing it displays a grid of menu options.

Enters navigation mode; used for navigation. For navigation options, see“Setup reference” on page 129.

Enters SIRIUS satellite radio mode; used to play SIRIUS satellite radio. For radio options, see “SIRIUS satellite radio reference” on page 126.

Enters music playback mode; used to play music, such as MP3 files. For music options, see “Music reference” on page 128.

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Enters photo viewing mode; used to view photos stored on the N.I.C.E. For photo options, see “Photo reference” on page 128.

Enters video mode; used to back up vehicles equipped with a rearview camera and to view DVD movies or play video games. For video options, see “Video reference” on page 129.

Enters setup mode; used to select FM transmitter frequency, set LCD brightness, and upgrade software. For setup options, see “Setup reference” on page 129

Navigation reference

Onscreen buttons

Exit button (F1), returns immediately to the navigation map.

Zoom in button (F1), expands the detail of the map.

Volume up button (F1), raises the volume of the route guidance voice.

Scroll up (back) button (F2), displays previous options four at a time.

Zoom out button (F2), shows more of the map at once.

Volume down button (F2), lowers the volume of the route guidance voice.

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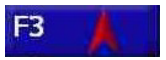
Navigation button (F3), starts navigation and accesses navigation setup options.



Pointer button (F3) centers the map at the current location.

Scroll down (forward) button (F4), displays next options four at a time.

Mute button (F4), turns all sound off.

Map button (F4), changes map perspective.

Push pin button (F5), selects the point on the map marked by the crosshairs when defining a location with your finger. This location can become your new destination, vehicle position, home or address to include in the address book.

Speaker button (F5), repeats the verbal instruction.

Keyboard button (F5), accesses the onscreen keyboard. Start typing the first one or two letters on the onscreen keyboard, then press the accept button (check mark) to view potential names from the map database.

To avoid typing mistakes, the unit grays out keys you don't need.

Back button (F6), returns to the previous screen.

Accept button, accepts characters typed on the onscreen keyboard and returns to the map or displays a short list of items.

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Start Route Guidance

To access these options, press the navigation button (F3).

Defines specific address or intersection to which you're headed (your destination).

State/Province Name: selects the location state or province. Use this option if the destination is in a different state or province than the one in which you are located. Once you select the state or province, you choose a location by postal code, city name or street name.

Postal Code: displays the onscreen keyboard so you can enter the desired location by postal code. Once you enter the Postal Code, the system displays a street list automatically. You don't need to go back to the City Name and Street Name options.

City Name: displays a list of all cities in the currently-selected state or province. You may scroll through the list or press the keyboard button to use the onscreen keyboard.

When you select the city, the system automatically displays a list of streets.

Street Name: displays a list of all streets in the currently-selected state or province.

If more than one street exists with the same name, the system lists all streets followed by a list of cities in which this street exists.

When you select the city, the unit gives you the option of setting a specific address or an intersection for your destination.

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If you choose Address, the unit displays the onscreen keyboard so you can enter the address. The top of the screen displays the address range.

Defines a public location, such as a bank or hospital, as your location.

State/Province Name: selects the state or province in which the point of interest is located. Use this option if the point of interest is in a different state or province than the one in which you are located. Once you select the state or province, you choose a point of interest by category, postal code, phone number, or first few letters of the name.

By Category: displays all points of interest in your chosen state or province in logical groups (categories) that make the address easy to find.

By Postal Code: displays all points of interest in the specified postal code.

By Phone: selects the point of interest by phone number.

By First Few Letters: selects a point of interest by entering the first few letters of its name.

Defines a location based on address you previously stored. The unit displays all the locations stored in the address book. Scroll through them to find the one you're looking for.

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Selects a location based on the last 15 destinations.

Selects a destination by pinpointing it on the touchscreen. When using this feature F3 becomes the pointer button and F5 the push pin button.

Edit Address Book

Adds and deletes entries from the address book and allows you to edit a name associated with the address, such as “Mom’s house.”

Adds your most recent destination to the address book.

Adds your current destination to the address book.

Displays the location names stored in the address book for editing You cannot edit any other components of the address.

Removes the selected location from the address book.

Navigation Setup

To access these options, press the navigation button (F3), then press Setup.

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Navigation Preferences

Simulation

On: used to preview and demonstrate how route guidance works.

Off: default setting.

Shortest

Time: calculates route based on road type. Interstates are assumed to offer the quickest route.

Distance: calculates route based on shortest distance as the crow flies.

Avoid Freeway

Yes: calculates route without taking you on a freeway or interstate.

No: calculates route based on Shortest setting.

Toll **Yes**: includes toll roads in the calculation. **No**: excludes toll roads from the calculation.

Auto Recalc

On: calculates a new route when you turn off your current route.

Off: disables recalculation.

Voice Guidance

On: turns speaker on so you can hear voice guidance and play music.

Off: turns speaker off.

Display Options

Heading Up: sets the top of the map display to the direction in which you are traveling.

North Up: sets the top of the map display to north.

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GPS Icon Display

On: turns display of the GPS indicator on.
Off: turns display of the GPS indicator off.

See “Monitoring signal strength” on page 51 for examples of the three versions that indicate strong, weak and no satellite signal.

Status Bar Display, **Scale Icon Display**, **Compass Icon Display**, **Next Maneuver**, **Enlarged Intersection**

On: turns display of indicator on.
Off: turns display of indicator off.

Set Volume Level

Displays graphical representation of current volume setting in the status bar, changes button F1 to increase volume and button F2 to decrease volume, and changes button F4 to mute.

Press and hold buttons F1 or F2 to change the volume setting. Press button F4 to mute the sound. After a few seconds the volume setting returns to the default screen.

Set Language

This option allows you to choose the language (English, Spanish or French) to use for explanatory text and driving directions.

Miles: displays distances in miles.

Kilometers / meters: displays distances in metric kilometers and meters.

Miles / yards: displays distances in miles and yards.

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Address/Intersection: moves the red pointer to a specific location defined by the address that follows.

As you enter the address, N.I.C.E. prompts with possibilities to speed entry. For an explanation of these options, see “Address/Intersection” on page 120.

Point of Interest: moves the red pointer to a special public place, such as an airport, grocery store, hospital, etc.

For an explanation of the Point of Interest settings, see “Point of Interest” on page 121.

Address Book: moves the red pointer to a location you previously stored.

Previous Destination: moves the red pointer to one of 15 last places you set as a destination.

Map: sets point of origin at the place you touch on the map.

You’ll need to access this option only if instructed to do so by a customer service representative.

GPS Diagnostics: tests the satellite connection and displays satellite information.

System Information: displays the current software version.

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SIRIUS satellite radio reference

1. To access the satellite radio options, press the onscreen MENU button.

   The Menu options list appears on the left side of the screen.

2. Press the option name in the menu.

   The option settings appear to the right of the menu.

3. Press the setting button.

If, while on the Menu Options, you don't actually set any option for 10 seconds, the menu closes.

To exit Menu options without changing anything, press the onscreen MENU button again.

Displays your unique 12-digit SIRIUS ID number. You can't change this number, for example: ESN 000492229812.

See "Getting started" on page 76 for more information.

This option selects channel(s) to skip. See "Skipping channels" on page 87 for steps.

This option controls access to specific channels. See "Locking out certain channels" on page 89 for more information.

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This option associates a four-digit code with a specific channel requiring you to enter that code to hear the channel. See “Changing the lock code” on page 92 for more information.

This option adjusts SIRIUS satellite signal strength reaching the N.I.C.E. when you’re using the unit in your home.

SAT: displays the strength of the SIRIUS signal from the satellite.

TER: displays the strength of the signal coming from terrestrial repeaters.

See “Antenna Aiming” on page 78 for more information.

This option lets you control the automatic memory search function and clear all memory slots.

Clear all Memory: clears all favorite artist and song title combinations you previously stored.

For more information about storing favorites in memory, see “Skipping channels” on page 87.

This option restores the factory default settings for all options. Settings are Yes and No.

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Music reference

Portable memory storage device button, displays folders on the device connected to the USB 1.1 port.

Folder button, displays folders on the N.I.C.E.

Music mode button, alternates among repeat, play folder in order, and random among all songs.

Repeat all songs in one folder.

Repeats current song.

Play all songs in system in random order.

Photo reference

Portable memory storage device button, displays folders on the device connected to the USB 1.1 port.

Enlarges image to fit screen.

Displays previous slide.

Displays next slide.

Starts slide show.

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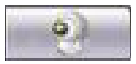
Video reference

Enlarges image to fit screen.

Displays image from DVD or video game.



Displays input from rearview camera.

Setup reference

To access these options, press the mode button (F3), then press the SETUP cube on the menu grid.

FM Transmitter button, redirects audio output from the speakers in the N.I.C.E. to the speakers in your car using a wireless connection.

On: directs audio output to your vehicle's stereo speakers.

Off: directs audio output to the N.I.C.E.'s own internal speakers.

LCD adjustments button sets the brightness of the LCD.

Upgrade software button, displays the current operating system version and update status.

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Specifications

Dimensions (W x H x D):	191mm x 128mm x 31mm
Operating system	Windows CE version 4.2
Embedded processor	High Performance Embedded 32-bit RISC (ARM 9 Core)
Memory	64MB SDRAM 32MB Flash Memory 20GB Hard Disk Drive
Power source	12 ~ 24V DC (using cigar jack)
Map database	Nav Tech Map Database
Temperature	-10° ~ +85°C
Liquid crystal dIsplay (LCD)	7” Digital TFT Touchscreen LCD 800 horizontal x 480 vertical pixels

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1. Limited Warranty Information

For USA and Canada only

This product is warranted against all defects in material workmanship for a period of one year from the date of original purchase. Clarion ProAudio products, except for speakers, are covered by a two year limited warranty when installed by an authorized Clarion dealer. The conditions of this limited warranty and the extent of responsibility of Clarion Corporation of America (“Clarion”) under this limited warranty are as follows:

1. PROOF OF DATE OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. IN THE CASE OF THE TWO (2) YEAR LIMITED WARRANTY FOR CLARION PROAUDIO PRODUCT, PROOF OF INSTALLATION BY AN AUTHORIZED DEALER IS REQUIRED. INFORMATION ABOUT CLARION AUTHORIZED WARRANTY SERVICE CENTERS MAY BE OBTAINED BY CONTACTING CLARION AT THE ADDRESS BELOW.
2. This limited warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to the product.
3. This limited warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion.
4. This limited warranty does not cover car static or other electrical interferences, tape head or laser pick-up cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.
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